

WHAT IS CLAIMED IS:

1. An endoscopic camera comprising:
 - a body;
 - a rocker switch;
 - at least one magnet;
 - at least one Hall effect sensor;
 - said rocker switch altering the distance between said magnet and said Hall effect sensor for controlling a plurality of operations of the endoscopic camera.
2. The endoscopic camera of claim 1 wherein:
 - said rocker switch facilitates a first function of the endoscopic camera when the distance between said Hall effect sensor and said magnet is decreased and a second function of the endoscopic camera when said distance between said Hall effect sensor and said magnet is increased.
3. The endoscopic camera of claim 2 further comprising:
 - a neutral position between said minimum and maximum spacing of said Hall effect sensor and said magnet.
4. The endoscopic camera of claim 3 wherein:

said rocker switch comprises a pivot on said body located between a front and a rear end of said rocker, said magnet disposed adjacent one of said ends of said rocker switch.

5. The endoscopic camera of claim 3 further comprising:

at least one spring to bias said rocker switch toward said neutral position.

6. The endoscopic camera of claim 5 wherein:

said at least one spring comprises a plurality of springs to bias said rocker switch to said neutral position from said decreased and increased spacing of said Hall effect sensor and said magnet.

7. The endoscopic camera of claim 5 wherein:

at least one said spring is disposed on each side of a pivot connection on said rocker switch.

8. The endoscopic camera of claim 7 wherein:

said springs comprise dome springs.

9. The endoscopic camera of claim 1 wherein:

said Hall effect sensor is embedded in said body and said magnet is mounted on said rocker switch with said rocker switch mounted to a surrounding housing around said body.

10. The endoscopic camera of claim 9 wherein:

said surrounding housing is removably mounted to said body.

11. The endoscopic camera of claim 10 wherein:

said rocker switch is mounted on a pivot to said surrounding housing and said pivot is positioned between a front and rear end of said rocker switch, said magnet is mounted near one of said ends of said rocker switch in alignment with said Hall effect sensor.

12. The endoscopic camera of claim 11 wherein:

said rocker switch comprises a neutral position between said Hall effect sensor and said magnet, wherein said increased and decreased distance positions control different functions of the endoscopic camera.

13. The endoscopic camera of claim 12 wherein:

said rocker switch is biased toward said neutral position from either said increased or decreased distance positions.

14. The endoscopic camera of claim 1 wherein:

said at least one Hall effect sensor comprises a plurality of Hall effect sensors;

said at least one magnet comprises a plurality of magnets; and

wherein rocking said rocker switch brings different pairs of Hall effect sensors and magnets closer together.

15. The endoscopic camera of claim 14 wherein:

said rocker switch further comprises a neutral position where the distance between pairs of Hall effect sensors and magnets are substantially equal.

16. The endoscopic camera of claim 15 wherein:

said rocker switch is biased toward said neutral position.

17. The endoscopic camera of claim 14 wherein:

placement of a different pairs of magnets and Hall sensors in closer proximity controls an independent function of the endoscope.

18. The endoscopic camera of claim 14 wherein:

said rocker switch is pivotally mounted on a pivot located between a front and rear end thereof and said magnets are located in said rocker switch near said front and rear ends with each said Hall effect sensor located in alignment with a corresponding said magnet.

19. The endoscopic camera of claim 18 wherein:

said rocker switch is mounted to a housing surrounding and removably mounted to said body and said Hall sensors are mounted within said body.

20. The endoscopic camera of claim 19 wherein:

said rocker switch further comprises a neutral position where the distance between pairs of Hall effect sensors and magnets are substantially equal; and

said rocker switch is biased toward said neutral position.